

## Message Text

UNCLASSIFIED

PAGE 01 STATE 208059

ORIGIN ACDA-12

INFO OCT-01 EUR-12 IO-14 ISO-00 SIG-03 CIAE-00 H-02  
INR-10 L-03 NSAE-00 OIC-02 OMB-01 PA-02 PM-05  
SP-02 SS-15 ICA-20 TRSE-00 DODE-00 NSC-05 SMS-01  
NRC-07 SAS-02 /119 R

DRAFTED BY ACDA/PA:JMPOPE:CF

APPROVED BY ACDA/PA:TAHALSTED

-----111870 170610Z /14

P 162135Z AUG 78

FM SECSTATE WASHDC

TO USMISSION GENEVA PRIORITY

INFO ALL NATO CAPITALS PRIORITY

USDEL MBFR VIENNA PRIORITY

AMEMBASSY MOSCOW PRIORITY

AMEMBASSY LONDON PRIORITY

USMISSION USNATO PRIORITY

AMEMBASSY SOFIA PRIORITY

AMEMBASSY BELGRADE PRIORITY

AMEMBASSY HELSINKI PRIORITY

AMEMBASSY STOCKHOLM PRIORITY

AMEMBASSY BERLIN PRIORITY

UNCLAS STATE 208059

USSALTTWO/CTB

E.O. 11652: N/A

TAGS: PARM, SOPN

SUBJECT: AUGUST 16 ROUNDUP: PRESS ITEMS OF ARMS CONTROL  
INTEREST

LONDON FOR AMB/EX, SOFIA FOR AMBASSADOR

UNCLASSIFIED

UNCLASSIFIED

PAGE 02 STATE 208059

1. WASHINGTON POST REPORTED THAT U.S. AND SOVIET NEGOTIATORS IN GENEVA "RECESSED TALKS ON TECHNICAL ASPECTS OF NEW SALT AGREEMENT FOR ABOUT THREE WEEKS."

2. NICHOLAS DANILOFF OF UNITED PRESS INTERNATIONAL REPORTED THAT STATE DEPARTMENT OFFICIAL LESLIE GELB TOLD HOUSE ARMED SERVICES SUBCOMMITTEE MEETING IN OPEN SESSION YESTER-

DAY THAT TREATY TO BAN ALL NUCLEAR WEAPONS TESTING WOULD  
KEEP SOVIET UNION IN AN INFERIOR POSITION IN NUCLEAR WAR-  
HEAD TECHNOLOGY FOR DURATION OF PACT. GELB SAID "FULLY  
EFFECTIVE CTB WOULD LEAVE US WITH AN ADVANTAGE. WE ARE  
AHEAD. I DON'T THINK I'VE TOLD THEM ANYTHING THEY CAN'T  
READ IN OPEN LITERATURE. THEY KNOW WHERE THEY STAND IN  
WEAPONS TECHNOLOGY. I DON'T THINK THAT IS SECRET." REP.  
BOB CARR SAID HE WAS ASTONISHED BY REMARK OF GELB. DANILOFF  
SAID GELB POINTED OUT SOVIETS, DESPITE THEIR TECHNOLOGICAL  
LAG, MAY HAVE OTHER POLITICAL CONSIDERATIONS WHICH CAUSE  
THEM TO FAVOR FULL BAN ON NUCLEAR WEAPONS TESTING FOR

LIMITED PERIOD AT THIS TIME. UPI CORRESPONDENT SAID GELB  
DENIED SUGGESTIONS STATE DEPARTMENT WAS SO INTENT ON COM-  
PLETING TEST BAN TREATY IT WAS INCLINED TO OVERLOOK NEED  
FOR LIMITED NUMBER OF TESTS TO CHECK ON QUALITY OF  
STOCKPILED WEAPONS. "OF COURSE WE WOULDN'T WANT TO PREJU-  
DICE OUR STOCKPILE," GELB TOLD REP. CHARLES WILSON.

3. JOHN FIALKA OF WASHINGTON STAR QUOTED DEPARTMENT OF  
ENERGY OFFICIALS AS SAYING REPORTS OF DRAMATIC BREAKTHROUGH  
IN DEVELOPMENT OF FUSION ENERGY WERE OVERSTATED. THESE  
OFFICIALS SAID DEVELOPMENT ALTHOUGH GRATIFYING WILL MAKE NO  
CHANGE IN TIMETABLE OR FUNDING OF GOVERNMENT FUSION RESEARCH.  
DR. MELVIN B. GOTTLIEB, DIRECTOR OF PRINCETON UNIVERSITY  
LABORATORY WHERE FUSION EXPERIMENT TOOK PLACE TWO WEEKS AGO,  
UNCLASSIFIED

UNCLASSIFIED

PAGE 03 STATE 208059

SAID AT ENERGY DEPARTMENT PRESS CONFERENCE MONDAY THAT  
SOME INFORMATION RELEASED ABOUT EXPERIMENT "WAS NOT ENTIRE-  
LY ACCURATE." WHAT ACTUALLY HAPPENED, ACCORDING TO GOTT-  
LIEB, WAS THAT POWERFUL PULSE OF ENERGY AIMED AT GAS INSIDE  
SMALL, DOUGHNUT-SHAPED RESEARCH REACTOR CREATED TEMPERATURE  
OF 60 MILLION DEGREES CENTIGRADE, ROUGHLY FOUR TIMES  
HOTTER THAN INTERIOR OF SUN, WHICH ALSO IS FED BY FUSION  
ENERGY. PULSE AND RESULTANT TEMPERATURE, GOTTLIEB SAID,  
LASTED ONLY HALF SECOND AND EXPERIMENT ABSORBED 100 TIMES  
ENERGY THAT WAS CREATED IN REACTION. ALTHOUGH AN ENERGY  
DEPARTMENT SPOKESMAN SAID SATURDAY THAT "FOR THE FIRST  
TIME IN HISTORY ACTUAL CONDITIONS OF FUSION HAVE BEEN  
PRODUCED IN FUSION REACTOR IN SCALE MODEL," GOTTLIEB AND  
DR. JOHN M. DEUTCH, DEPARTMENT'S DIRECTOR OF ENERGY  
RESEARCH, EMPHASIZED SCIENTISTS STILL HAVE LONG WAY TO GO  
TO PROVE FEASIBILITY OF FUSION AS AN ENERGY SOURCE.  
GOTTLIEB SAID EXPERIMENT FAILED TO REACH LONG-AWAITED  
POINT OF "ENERGY BREAK EVEN" -- POINT WHERE REACTION YIELDS  
AT LEAST AS MUCH ENERGY AS IT CONSUMES. GOTTLIEB SAID  
THAT POINT COULD BE REACHED IN EARLY 1980S, BUT EVEN THEN  
IT WOULD TAKE AT LEAST 20 MORE YEARS AND SEVERAL OTHER  
BREAKTHROUGHS BEFORE COMMERCIAL FUSION REACTOR COULD BE

DEVELOPED. CHRISTOPHER

UNCLASSIFIED

NNN

## Message Attributes

**Automatic Decaptoning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** ARMS CONTROL MEETINGS, BRIEFING MATERIALS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 16 aug 1978  
**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 jan 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1978STATE208059  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** JMP0PE:CF  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D780335-1062  
**Format:** TEL  
**From:** STATE  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1978/newtext/t19780857/aaaabvnj.tel  
**Line Count:** 117  
**Litigation Code IDs:**  
**Litigation Codes:**  
**Litigation History:**  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Message ID:** ffe88662-c288-dd11-92da-001cc4696bcc  
**Office:** ORIGIN ACDA  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 3  
**Previous Channel Indicators:** n/a  
**Previous Classification:** n/a  
**Previous Handling Restrictions:** n/a  
**Reference:** n/a  
**Retention:** 0  
**Review Action:** RELEASED, APPROVED  
**Review Content Flags:**  
**Review Date:** 29 mar 2005  
**Review Event:**  
**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** N/A  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 1718502  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** AUGUST 16 ROUNDUP: PRESS ITEMS OF ARMS CONTROL INTEREST LONDON FOR AMB/EX, SOFIA FOR AMBASSADOR  
**TAGS:** PARM, SOPN  
**To:** GENEVA USSALTTWO  
**Type:** TE  
**vdkvgwkey:** odbc://SAS/SAS.dbo.SAS\_Docs/ffe88662-c288-dd11-92da-001cc4696bcc  
**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
EO Systematic Review  
20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014